

# NELCO

## X-RAY PROTECTION

NEW ENGLAND LEAD BURNING CO., INC. • SAN LEANDRO, CALIF.

*Contractors in Lead*

# NELCO

## X-RAY PROTECTION

Manufacturers and Installers since 1935, New England Lead Burning Co., Inc., has been furnishing and installing lead protection in hospitals, clinics, and medical schools throughout the country, and with our five factories and offices strategically located, we are prepared to handle any job.

### FLOOR LAPS:

Three practical methods for installation of sheet lead on floors: butt and burnt joint, lead strips recessed in slab, and a lap seam.

### DOORS:

"NELCO" lead core doors, either with poured lead fasteners or bolts.

### WINDOWS:

"NELCO" extruded lead window with or without voice passage, and the split lead glass type for doors or narrow partitions.

### GUARANTEE AND SPECIFICATIONS:

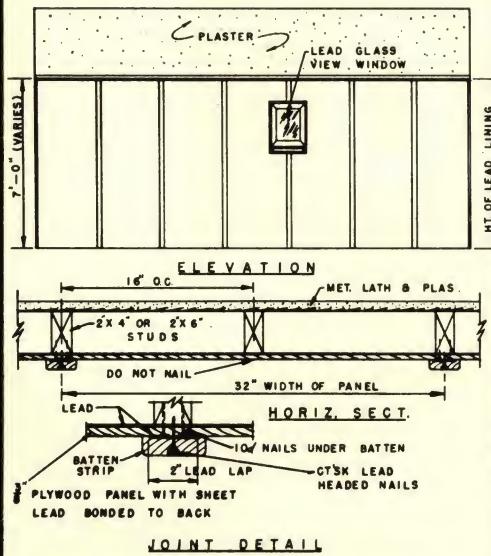
All X-Ray protection material and equipment as manufactured and installed by New England Lead Burning Company, Inc., is guaranteed to conform to the United States Department of Commerce, National Bureau of Standards.

We have given specifications of construction with our illustrated details in the following pages. If further information is desired, contact our nearest location.



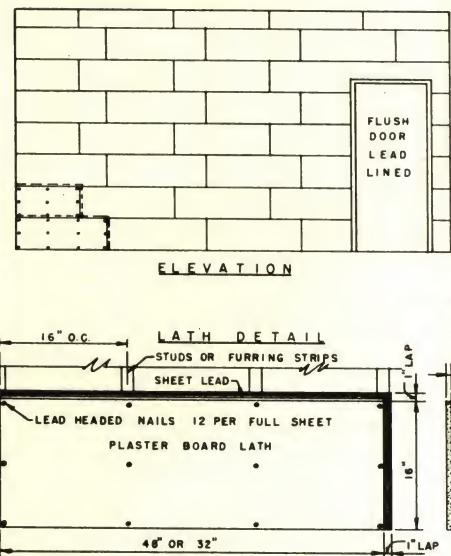
NELCO lead headed nail

### PLYWOOD PANELS



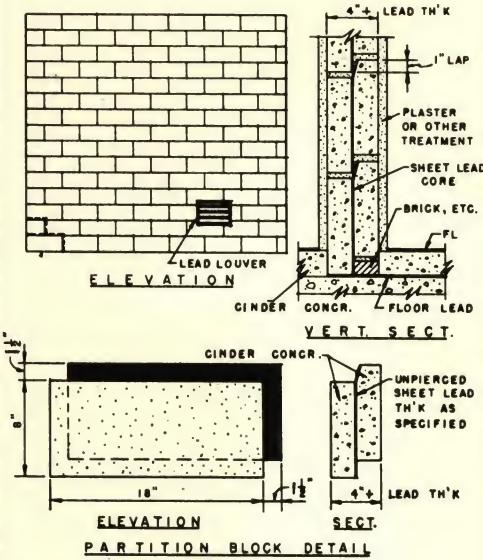
NELCO lead line plywood panels;  $\frac{3}{8}$ " thick plywood with sheet lead bonded to the back with special adhesive. Joints protected by batten strips. Specified when plastering not required — may be finished in any desired finish, except plaster.

### ROCK LATH PANELS



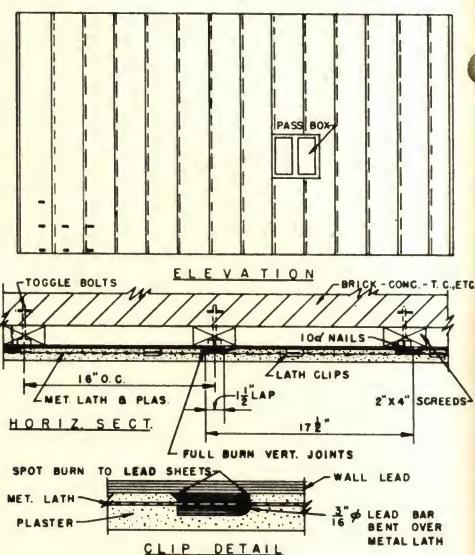
NELCO lead backed lath;  $\frac{3}{8}$ " thick plasterboard lath  $16'' \times 48''$  with a sheet of unpierced lead bonded to the back, thickness as specified. Specified when required plaster finish, standard sizes—special sizes to order.

### CINDER BLOCK WALLS



NELCO lead lined cinder blocks; specially designed with a tapered edge at top and one side to form a positive keyed mortar joint.

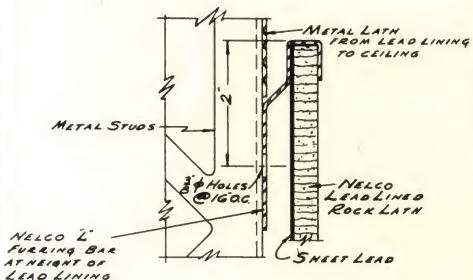
### SHEET LEAD BURNED



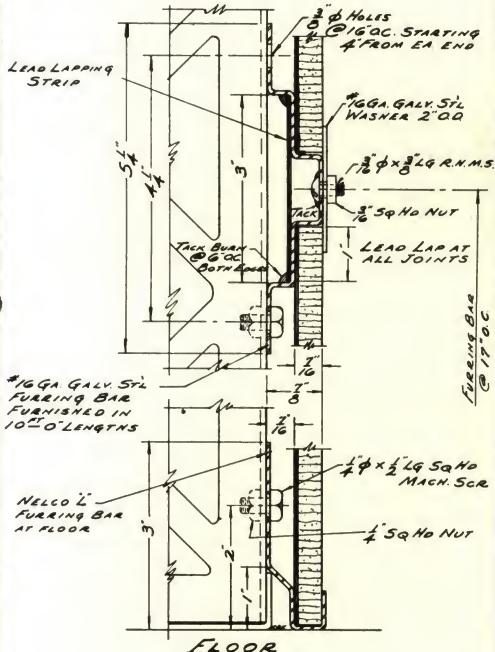
Method recommended where lead is  $\frac{1}{4}$ " or over. Sheets lapped a minimum of  $2''$ , with all joints burned. Lead lath clips spot burned to hold metal lath in place.

# NELCO X-RAY PROTECTION

## FURRING BAR

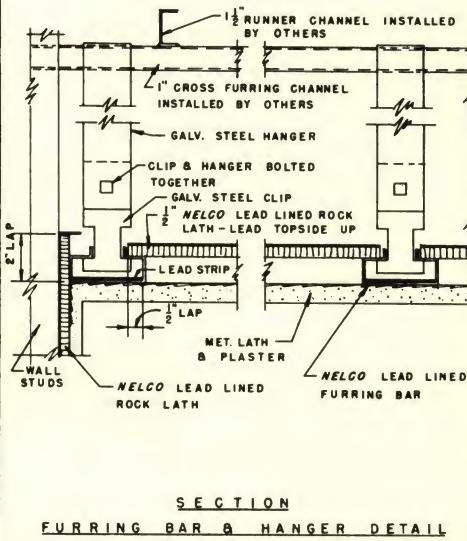


### HEAD



NELCO lead lined wall furring bar where wood nailing strips or studs are not allowed in the construction.

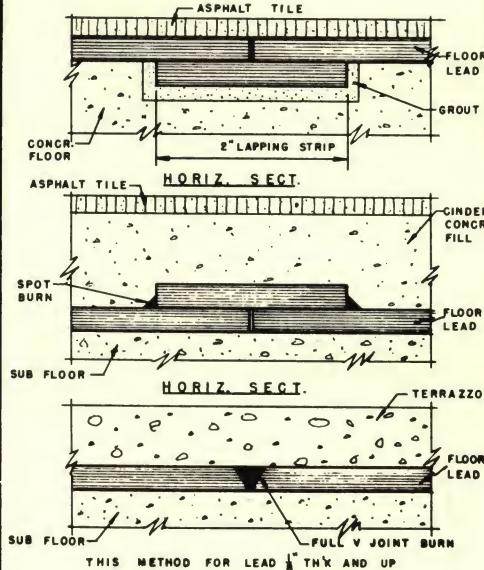
## SUSPENDED CEILINGS



### SECTION FURRING BAR & HANGER DETAIL

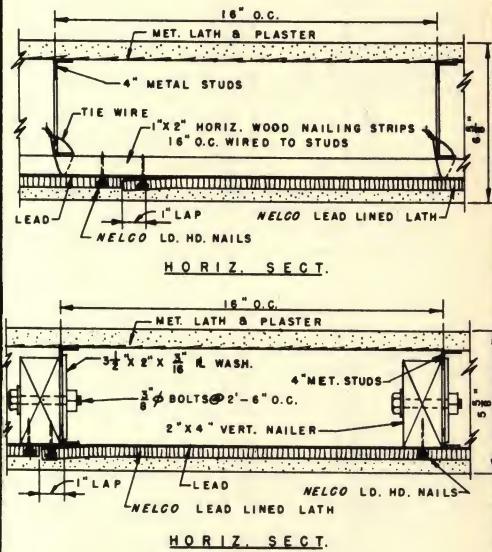
Suspended ceiling of NELCO lead lined furring channels installed with metal clips and hangers adjoining lead insulated walls.

## FLOOR LAPS



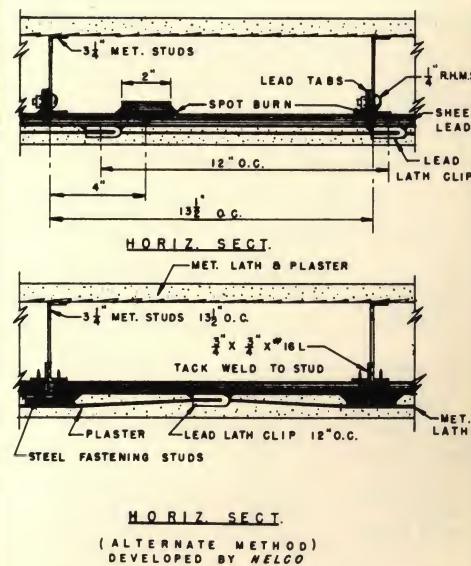
Three common methods used for installing sheet lead on floors. Lap seam with strip in a chase, recessed in slab and a butt and burnt joint.

## ROCK LATH METAL STUDS



Two practical methods of installing NELCO lath on metal studs, vertical 2" x 4" bolted to metal stud or 1" x 2" nailing strip wired horizontally.

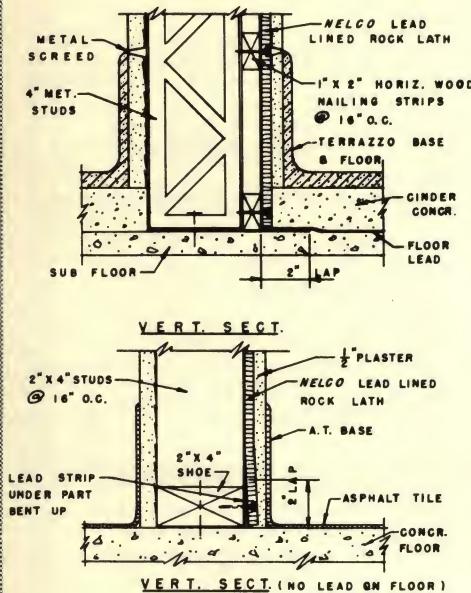
## HEAVY LEAD ON STUDS



Suggested methods when lead is 1/2" thick and up to allow a minimum partition width.

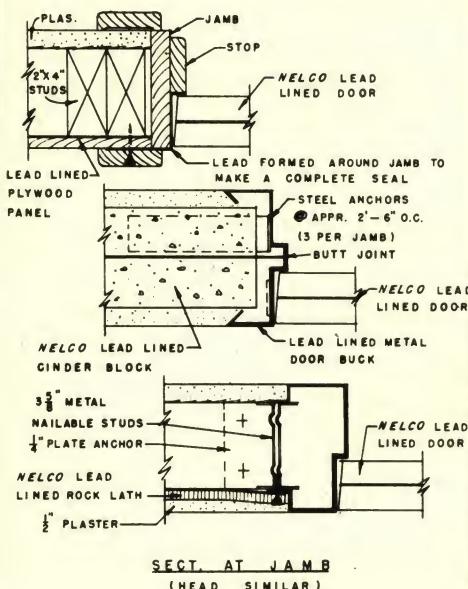
**NELCO** X-RAY PROTECTION

**PARTITION AND FLOOR LAP**



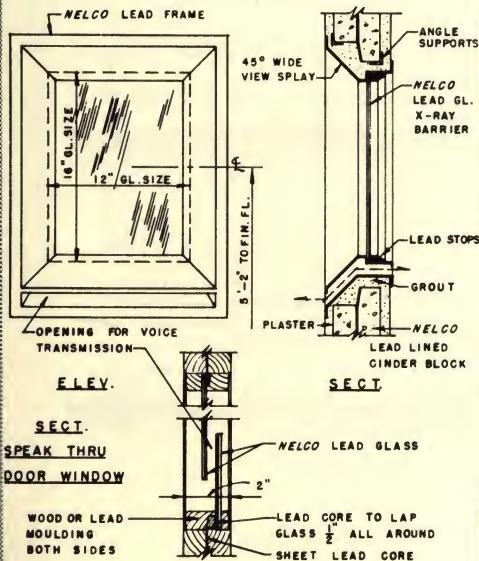
Typical methods used where lead lined walls join lead lined floor or plain floor.

**LEAD LINED DOOR FRAMES**



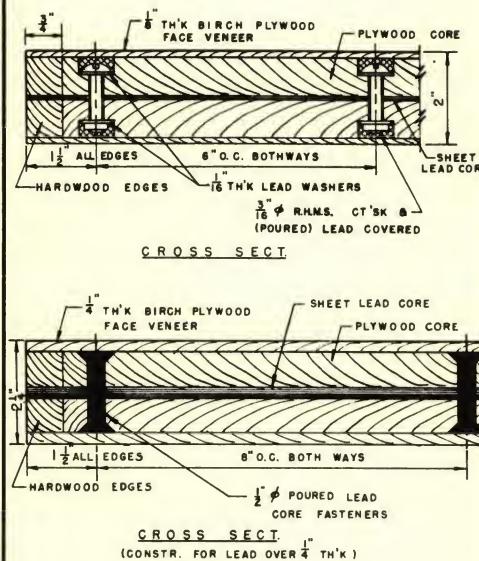
Several practical methods of installing sheet lead lining in metal door frames or around wood jambs.

**WINDOWS**



NELCO lead window frames with or without voice passage. Also split lead glass type for doors or narrow partitions furnished in desired sizes.

**DOORS**



NELCO lead core doors, bolted construction with bolts covered with poured lead or poured fastener units when core is over 1/4" thick.

**typical installations**

Baird Memorial Hospital  
Lovelace Foundation  
Albuquerque, New Mexico  
Architect: Ferguson, Stevens & Associates

Cascade Sanatorium  
Redding, California  
Architect: E. Geoffrey Bangs

Air Force Indoctrination Center  
Processing Bldg. No. 2  
Camp Parks, Pleasanton, Calif.  
Architect: Frederick W. Whittlesey

Northwest Texas Hospital  
Amarillo, Texas  
Architect: Guy Carlander

Massachusetts General Hospital  
Boston, Mass.  
Architects: Coolidge, Shepley, Bulfinch & Abbott

O'Connor Hospital  
San Jose, California  
Architect: Maguolo, Quick & Franklin T. Georgeson

Peninsula Hospital  
Mills Estate, El Camino Real,  
South of Millbrae  
San Mateo County  
Architect: Stone & Mulloy

St. Vincents Hospital  
Santa Fe, New Mexico  
Architect: Meem, Zehner, Hollen

New England Deaconess Hospital  
Cancer Research-Palmer Memorial  
Boston, Mass.  
Architects: Coolidge, Shepley, Bulfinch & Abbott

Radiological Laboratory  
San Francisco, California  
Architect: Blanchard & Maher

Bernalillo County Indian Hospital  
Albuquerque, New Mexico  
Architect: Ferguson, Stevens & Associates

Roger Williams General Hospital  
Providence, R. I.  
Architects: Howe, Prout & Ekman

Eden Township Hospital  
Casta Valley, California  
Architect: Stone & Mulloy

Emanuel Hospital  
Portland, Oregon  
Architect: Church, Newberry & Roehr

West Contra Costa Hospital  
San Pablo, California  
Architect: Stone & Mulloy

University of California  
Teaching Hospital  
San Francisco, California  
Architect: Milton T. Pflueger

Day Kimball Hospital  
Putnam, Connecticut  
Architects: Ebbets, Frid & Prentice, Hartford, Conn.

California Medical Facilities  
Vacaville, California  
Architect: Division of Architecture, Dept. of Public Works

**factories and offices**

New England Lead Burning Co., Inc.  
98 Baldwin Ave., Woburn, Mass.

New England Lead Burning Co., Inc.  
535 W. Putnam Drive, Whittier, Calif.

New England Lead Burning Corp.,  
4975 Fyler Ave., St. Louis, Mo.

"Nelco" of Texas,  
4600 Homestead Rd. Houston, Texas

**NEW ENGLAND LEAD BURNING CO., INC.**  
**1840 WILLIAMS ST., SAN LEANDRO, CALIFORNIA**

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